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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

(DC-5224)

The Use of a Full System of Thermodynamic Equations for Short Range Prediction Using a Two-Level Model, by Tseng Ch'ing-ts'un, L. I. Sedov, 4 pp.

Vol CXXXVII No 1

RUSSIAN, per, Dok Ak Nauk SSSR, ~~Vol I~~, 1961, pp 76-78.

JPRS 8959

171,104

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Sci - Geophys

Oct 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

The Movement of Glaciers, by P. A. Shumsky,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 1, pp 79-.

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Feb 63

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Skuratov, S. M., and Shtekher, S. M.
REFINING THE VALUES OF THE CONSTANTS IN V. M. TATEVSKII'S SCHEME FOR CALCULATING THE HEATS OF FORMATION OF ALKANES. [1962] [5]p. 21 refs.
Order from OTS or SLA $1.10 63-13859

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961, v. 137, no. 1, p. 109-110.

DESCRIPTORS: *Heat of formation, Combustion, *Pentanes, Liquids, Gases, *Butanes, Methyl radicals, *Hexanes, *Heptanes.

(Chemistry--Physical, TT, v. 9, no. 12)

63-13859

I. Skuratov, S. M.
II. Shtekher, S. M.
III. Translations, New York
IV. Tatevskii, V. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

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Initiation of Polymerization With Electric Charges Formed on the Boundary Between Phases, by G. P. Gladyshev, S. R. Rafikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, No 1, 1961, pp 113-115.

KLL M. 3436

Sci - Chem

194,027

Apr 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Effect of Temperature on the Translocation of Assimilates in Plant Stems, by V. Kasaryan.
RUSSIAN, per, Doklady Akademii nauk Armyanskoi SSR, Vol 32, No 2, 1961, pp 22-117
CBIRO/No 7003

Sci -
Jul 67

334,970

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Kondrat'ev, V. N.
THE RATE CONSTANT OF THE REACTION
$HO_2 + H_2O = H_2O_2 + OH$. [1962] [6]p. 7 refs.
Order from OTS or SLA $1.10 63-13863

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961, v. 137 [no. 1] p. 120-122.

DESCRIPTORS: Chemical reactions, *Hydrogen peroxide, Water, Hydroxides, *Reaction kinetics, *Chemical equilibrium, Oxides.

(Chemistry--Physical, TT, v. 9, no. 12)

63-13863

I. Kondrat'ev, V. N.
II. Translations, New York

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The Nature of the Fluctuation Bands of Boric Acid,
by A. A. Mal'tsev.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXXVII, No 1,
1961, pp 123-125.

Navy 2911/APL T-241.

Sci - Chem
Oct 61.

171, 661

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

The Combustion of Mixtures of Lead Azide and Liquid Nitroesters, by K. K. Andreyev, B. N. Kondrikov.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVII, No 1, pp 130-133, 1961.

TIL/T 5257

181, 290

Sci - Min/Met

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Forsh, N. N. and Khramov, A. N.
CARBONIFEROUS AND PERMIAN PALEOMAGNETISM AND PALEOCLIMATES ON THE RUSSIAN PLATFORM. [1961] 5p.
Order from ATS $7.55 ATS-34N54R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961, v. 137, no. 1, p. 154-157.

DESCRIPTORS: *Paleoecology, Magnetism, Climate, USSR.

(Earth Sciences--Geology. TT, v. 7, no. 4)

62-12084

I. Forsh, N. N.
II. Khramov, A. N.
III. ATS-34N54R
IV. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Ordovician Deposits of the Selenniakhskiy
R nge, by M. N. Chugayeva.

RUSSIAN, per, ~~Dok Ak Nauk SSSR,~~ Vol CXXXVII,
No 1, 1961, pp 158-161.

Dept of Interior
QE3 E57 No 66

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Sci - Geophys

OTS 63-15722

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Kortsenshtein, V. N.
THE PROBLEM OF THE MAXIMUM CONCENTRATION OF DISSOLVED HYDROCARBONS IN THE GROUND WATERS OF CRETACEOUS HORIZONS OF CIS-CAUCASIS IN CONNECTION WITH THE EVALUATION OF PROSPECTS OF OIL AND GAS PRESENCE IN MESOZOIC DEPOSITS. [1961] 4p.
Order from ATS $7.50 ATS-35N55R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961, v. 137, no. 1, p. 162-165.

DESCRIPTORS: *Geophysical prospecting, *Petroleum, Natural gas, Deposits, *Hydrocarbons, Hydrology.

(Earth Sciences--Geology, TT, v. 7, no. 3)

62-12097

I. Kortsenshtein, V. N.
II. ATS-35N55R
III. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

The Variation of the Specific Gravity of Coal During the Process of Metamorphism, by V. Ya. Posylnyi.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~Vol XXXXXX~~ Vol CXXXXII, No 1, 1961, pp 178-181.

NLL M 3972

223,561

Sci M/M
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Plakunova, V. G.
SUR LA POSSIBILITE DE REGULATION DU pH DU MILIEU AU COURS DU DEVELOPPEMENT DES MICROORGANISMES A L'AIDE DES RESINES ECHANGEUSES D'IONS (Vozmozhnosti Regulirovaniya pH Sredy po Khodu Razvitiya Mikroorganizmov s Pomoshch'yu Ionoobmennykh Smol) (The Possibility of Regulating the pH of the Medium in the Course of the Development of the Micro-organisms by the Aid of the Ion Exchange Resins). 9p. (foreign text included) 2 refs. F/R-2600, (text in French).
Order from OTS or ETC $1.55 62-28010

Trans. of Akademiya Nauk SSSR. Doklady. 1961, v. 137, no. 1, p. 189-191.

DESCRIPTORS: *Microorganisms, Growth. *Hydrogen ion concentration, Resins, Ion exchange resins.

62-28010

I. Plakunova, V. G.
II. F R-2600
III. Centre National de la Recherche Scientifique

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Destruction of Eye as a Sequel to Intraocular Operations Performed After Heavy Radiation Exposure, by V. V. Popov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLXXXVII, Nos 1-3, 1961, pp 192-195.

AIP
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Vol VI, No 3

Sci 169,332

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Phage Reproduction in Irradiated Nonviable (Nondividing) Cells, by G. E. Fredkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLXXXVII, Nos 1-3, 1961, pp 196-198.

AIP
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Kholmogorov, V. E. and Terenin, A. N.
LIGHT-INDUCED ESR (SIGNAL) IN CRYSTALLINE CHLOROPHYLL IN THE PRESENCE OF WATER VAPOR. 31 July 61, 9p. 9 refs.
Order from OTS or SLA $1.10 UCRL Trans-693

Trans. of Akademiya Nauk SSSR. Doklady, 1961, v. 137, no. 1, p. 199-202.

DESCRIPTORS: *Water vapor, *Chlorophylls, USSR, Photoconductivity, Plant pigments, Photosynthesis, Regeneration, Plants, Growth, *Light, Physiology

The presence of dark and light ESR signals, in crystalline and amorphous chlorophyll was disclosed in connection with measurements that were carried out simultaneously on photoconductivity and photoelectromotive force in natural and synthetic pigments. The light-induced ESR signal would disappear, reversibly (Agriculture--Plant Cultivation. TT, v. 6, no. 12)(over)

61-28322

I. Kholmogorov, V. E.
II. Terenin, A. N.
III. UCRL Trans-693
IV. Lawrence Radiation Lab., U. of California, Berkeley

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

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Cat 51

The Stability of the Equilibrium Position of a Hamiltonian System of Ordinary Differential Equations in the General Elliptic Case, by V. I. Arnol'd, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, Nos 1-6, 1961, pp 255-257.

Amer Math Soc
Sov Math
Vol II, No 2

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Sol Opt 51

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

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An Iterative Method of Solution of the Problem of Linear Programming, by Bulavskiy, V. A., 3 pp.

RUSSIAN, per: Dok Ak Nauk SSSR, Vol CXXXVII No 1-6, 1961, pp 253-260.

Amer Math Soc
Sov Math
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The Set of Solutions of a Linear Differential Equation, by M. K. Gavurin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 1-6, 1961, pp 261-264.

Amer Math Soc
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Certain Properties of Summability Methods, by
S. P. Geisberg, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
Nos 1-6, 1961, pp 265-267.

Amer Math Soc
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Vol II, No 2

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Continual Integrals Associated with Certain Differential Equations and Systems, by Yu. L. Dalecky, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, Nos 1-5, 1961, pp 268-271.

Amer Math Soc
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

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112,386

A System of Classical Eigenfunctions for a Linear Self-Adjoint Elliptic Operator with Discontinuous Coefficients, by V. A. Il'in, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, Nos 1-6, 1961, pp 272-275,

Amer Math Soc
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

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Isometric Immersion in the Large of a Two-Dimensional Riemannian Manifold Into a Three-Dimensional Manifold, 1 pp, by A. V. Pogorelov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, Nos 1-6, 1961, pp 274, 275.

Amer Math Soc
Sov Math
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On a Problem of I. M. Gel'fand, by
A. A. Kirillov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol [illegible]
Nos 1e6, 1961, pp 276-277.

Amer Math Soc
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Vol [illegible], No [illegible]

Sci

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Indecomposable Representations of Rings and Groups, by M. A. Naimark, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, Nos 1-6, 1961, pp 278-281.

Amer Math Soc
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Vol II, No 2

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

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Special Kinds of T-Pairs of Congruences, by
[illegible], 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII
Nos 1-6, 1961, 281-290.

Amer Math Soc
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Mean Square Value and Arithmetic Mean, by
B. S. Stechkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
Nos 1-6, 1961, pp 287-290.

Amer Math Soc
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Sci

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An Algorithm for Establishing the Identity
of Words in a Nilpotent Product of Groups Each
Given by a Finite Number of Generators and
Defining Relations, 4 pp, D. S. Fayermark, 4 ref.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 1-6, 1961, pp 291-294.

Amer Math Soc
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

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The Principle of Nonlocal Search in Automatic Optimization Systems, by I. M. Gelfand, M. L. Tsetlin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, Nos 1-3, 1961, pp 295-298.

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An Algorithm for Establishing Word Identities in a Nilpotent Product of Groups Specified by a Finite Number of Generants and Definitive Relationships, by D. S. Faermark, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, No 2, Mar 1961, pp 291-294.

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Sci - Math
8 Sep 61

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(SF-1846)

The Organized Search Principle in Systems With Automatic Optimization, by I. M. Gel'fand, M. L. Tsetlin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, No 2, 1961, pp 295-298.

JPRS 4687

160,095

Sci - Engr.

Jul 61

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The Motion of the Surface Separating Two Viscous Liquids in a Narrow Crevice, by V. L. Danilov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLXXXVII, Nos 1-3, 1961, pp 299-302.

AIP
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Ladikov, Yu. P.
CERTAIN EXACT SOLUTIONS OF THE EQUATIONS OF UNSTEADY MOTION IN MAGNETIC HYDRODYNAMICS. 26 May 61 [8]p. 7 refs. MCL-1072/1 + 2. Order from OTS or SLA $1.10 61-27173

Rough draft trans. of Akademiya Nauk SSSR. Doklady, 1961, v. 137, no. 2, p. 303-306.

DESCRIPTORS: *Magnetohydrodynamics, Plasma physics, Particles, Motion, Magnetic fields, Spheres, Gas flow.

A broader interpretation is given of the class of motion previously investigated by L. I. Sedov (Similarity and dimensional methods in mechanics, 4th. edition, 1957; available in translation from API $14.00), M. L. Lidov (Akad. Nauk SSSR Doklady 97: 409, 1954; available in translation from MDF) and others, in which the radial (Physics--Theoretical, TT, v. 6, no. 8) (over)

61-27173

I. Ladikov, Yu. P.
II. MCL-1072/1 + 2
III. Technical Information Center, Wright-Patterson AFB, Ohio
IV. AD-259 612

NASA TT-F-8030
AIP-Sov. Phys Vol VI, No 3

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A New Radio Source at Centimeter Wavelengths,
by Yu. N. Pariyskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 2, 1961, pp 307-309.

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Sci - Electron

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NASA TT-F-8[illegible]

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

New Caspian Deposits in the Northwest Part of the Foremouth Area of the Volga, by Ye. F. Belevich, 4 pp.

USSR

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVII, No 2, 1962, pp 373-376.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

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Recent Palcobotanical Discoveries in Vest Spitsbergen, by L. Yu. Budantsev, I. N. Sveshnikova, 3 pp.

RUSSIAN, per,Dok Ak Nauk SSSR, Vol CXXXVII, No 2, 1962, pp 377-379.

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Preliminary Data of the Paleobotanical Study of the Deposits of the Yough Upper Pleistocene Interglacial on the Balazna River, by V. P. Grichuk, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVII, No 2, 1962, pp 380-383.

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Recent Data on the Crystalline Basement of the Northeast Moscow District, by A. V. Kopeliovich, I. G. Lodzhevsky, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, No 2, 1962, pp 384-386.

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Results of sSpore-Pollen nalysis of the Pliocene Deposits of the Kerch Peninsula, by I. V. Maslova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, No 2, 1962, pp 387-390.

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Canonical Operator Transformations in Representation of Secondary Quantization, by F. A. Berezin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLXXXVII, Nos 1-3, 1961, pp 311-314.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301770046-0

Rayleigh Scattering of Light in Solutions of Acetone in Carbon Tetrachloride, by M. I. Shakhparonov, D. K. Baridze, 3 pp.

RUSSIAN per, Dok Ak Nauk SSSR, Vol LXXXVII, Nos 1-3, 1961, pp 315-318.

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Effect of Loading Speed on Plasticity of Marble Under Indentation, by N. N. Pavlova, L. A. Shreiner, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLXXXVII, Nos 1-3, 1961, pp 319-322.

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Deformation in a Body at Stationary Stage of Creep and Transition of [illegible] Micro- to Macrocreep in the Thermodynamics of Irreversible Processes, by N. S. Yastov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVII, Nos 1-3, 1961, pp 323-326.

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